

ART 34 ANDT

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SEQUENCE LISTING

<110> ZONAGEN, INC.

<120> HUMAN CHORIONIC GONADOTROPIN

<130> 27779/35932

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<150> 60/100,766

<151> 1998-09-17

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<170> PatentIn Ver. 2.0

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<212> DNA

<213> Homo sapiens

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<221> CDS

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tgg gaa aac ccg ggc tgc aga gat ctc aag gag ccg ctt cgg cca cgg	96
Trp Glu Asn Pro Gly Cys Arg Asp Leu Lys Glu Pro Leu Arg Pro Arg	
20 25 30	
tgc cgc ccc atc aat gcc acc ctg gct gtg gag aag gag ggc tgc ccc	144
Cys Arg Pro Ile Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro	
35 40 45	
gtg tgc atc acc gtc aac acc acc atc tgt gcc ggc tac tgc ccc acc	192
Val Cys Ile Thr Val Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr	
50 55 60	
atg acc cgc gtg ctg cag ggg gtc ctg ccg gcc ctg cct cag gtg gtg	240
Met Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val	
65 70 75 80	
tgc aac tac cgc gat gtg cgc ttc gag tcc atc cgg ctc cct ggc tgc	288
Cys Asn Tyr Arg Asp Val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys	
85 90 95	
ccg cgc ggc gtg aac ccc gtg gtc tcc tac gcc gtg gct ctc agc tgt	336
Pro Arg Gly Val Asn Pro Val Val Ser Tyr Ala Val Ala Leu Ser Cys	
100 105 110	
caa tgt gca ctc tgc cgc cgc agc acc act gac tgc ggg ggt ccc aag	384
Gln Cys Ala Leu Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys	
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[illegible]

AMENDED SHEET

ART 34 AMDT

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His

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Ser Ser Ala Leu Ala Ala Pro Val Asn Thr Thr Thr Glu Asp Glu Thr
15 20 25 30
gca caa att ccg gct gaa gct gtc atc ggt tac tca gat tta gaa ggg 144
Ala Gln Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly
35 40 45
gat ttc gat gtt gct gtt ttg cca ttt tcc aac agc aca aat aac ggg 192
Asp Phe Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly
50 55 60
tta ttg ttt ata aat act act att gcc agc att gct gct aaa gaa gaa 240
Leu Leu Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu
65 70 75
ggg gta tct ctc gag aaa aga gag gct gaa gct tac gta gaa ttc gac 288
Gly Val Ser Leu Glu Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Asp
80 85 90
ccg ggc tgc aga gat ctc aag gag ccg ctt cgg cca cgg tgc cgc ccc 336
Pro Gly Cys Arg Asp Leu Lys Glu Pro Leu Arg Pro Arg Cys Arg Pro
95 100 105 110
atc aat gcc acc ctg gct gtg gag aag gag ggc tgc ccc gtg tgc atc 384
Ile Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys Ile
115 120 125
acc gtc aac acc acc atc tgt gcc ggc tac tgc ccc acc atg acc cgc 432
Thr Val Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met Thr Arg
130 135 140
gtg ctg cag ggg gtc ctg ccg gcc ctg cct cag gtg gtg tgc aac tac 480
Val Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val Cys Asn Tyr
145 150 155
cgc gat gtg cgc ttc gag tcc atc cgg ctc cct ggc tgc ccg cgc ggc 528
Arg Asp Val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly
160 165 170
gtg aac ccc gtg gtc tcc tac gcc gtg gct ctc agc tgt caa tgt gca 576
Val Asn Pro Val Val Ser Tyr Ala Val Ala Leu Ser Cys Gln Cys Ala
175 180 185 190

AMENDED SHEET

ATT 34 ADDT

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etc tgc cgc cgc agc acc act gac tgc ggg ggt ccc aag gac cac ccc 624
 leu Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp His Pro
 195 200 205

ttg acc tgt gat gac ccc cgc ttc cag gac tcc tct tcc tca aag gcc 672
 leu Thr Cys Asp Asp Pro Arg Phe Gln Asp Ser Ser Ser Ser Lys Ala
 210 215 220

cct ccc ccc age ctt cca age cca tcc cga etc ccg ggg ccc tgc gac 720
 Pro Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp
 225 230 235

acc ccg atc etc cca caa act agt cac cac cat cac cac cat taa 765
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 20 25 30

Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe
 35 40 45

Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu
 50 55 60

Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
 65 70 75 80

Ser Leu Glu Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Asp Pro Gly
 85 90 95

Cys Arg Asp Leu Lys Glu Pro Leu Arg Pro Arg Cys Arg Pro Ile Asn
 100 105 110

Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys Ile Thr Val
 115 120 125

Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met Thr Arg Val Leu
 130 135 140

Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val Cys Asn Tyr Arg Asp
 145 150 155 160

Val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly Val Asn
 165 170 175

AMENDED SHEET
 IPEA/EP

ART 34 AMED

21. 2000

9:26AM

MARSHALL, O TOOLE

NO. 3420

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Pro	Val	Val	Ser	Tyr	Ala	Val	Ala	Leu	Ser	Cys	Gln	Cys	Ala	Leu	Cys
			180					185					190		
Arg	Arg	Ser	Thr	Thr	Asp	Cys	Gly	Gly	Pro	Lys	Asp	His	Pro	Leu	Thr
		195					200					205			
Cys	Asp	Asp	Pro	Arg	Phe	Gln	Asp	Ser	Ser	Ser	Ser	Lys	Ala	Pro	Pro
	210					215					220				
Pro	Ser	Leu	Pro	Ser	Pro	Ser	Arg	Leu	Pro	Gly	Pro	Ser	Asp	Thr	Pro
225					230					235					240
Ile	Leu	Pro	Gln	Thr	Ser	His	His	His	His	His	His				
				245						250					

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